

Date: Friday, 11/04/2008 9:02:31 AM  
 User: Julie Lecocq

## Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: PLUG
Job Number	: 38563		
Estimate Number	: 12337		
P.O. Number	:	Part Number	: D3492043
This Issue	: 11/04/2008 S.O. No. :	Drawing Number	: D3492 REV C
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: / / Type : MACHINED PARTS	Drawing Revision	: C
Previous Run	: 38467	Material	:
Written By	:	Due Date	: 30/04/2008
Checked & Approved By	: <u>JD 08.4.11</u>	Qty:	<u>60</u> Um: Each
Comment	: Est Rev: A 06.03.21 New Issue JLM Est Rev: B 06-08-28 As per Rev B JLM Est Rev: C 07-12-06 Rev C dwg DD		

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M6061T6R0750	6061-T6 Round Bar .750"
-----	--------------	-------------------------



Comment: Qty.: 0.0656 f(s)/Unit Total: 3.9375 f(s)  
 6061-T6 Round Bar .750"  
 (M6061T6R750)  
 Batch: 1103857

(60)

MMF 08/04/14

2.0	HARDINGE	HARDINGE CNC LATHE SMALL
-----	----------	--------------------------



Comment: HARDINGE CNC LATHE SMALL

1-Turn as per Folio FA632 & Dwg D3492  
 Dwg Rev: B  
 Folio Rev: AA

MMF 08/04/14

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

MMF 08/04/14

4.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

MMF 08.04.14

(60)

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
-----	-------------	-------------------------------



Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Deburr

*[Handwritten signature]*

08/05/06 (60) Hm

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NCR Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 11/04/2008 9:02:31 AM  
User: Julie Lecocq

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 38563

Part Number: D3492043

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



PHD

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

YJ 08-05-06

159

7.0

POWDER COATING

POWDER COATING



M107550

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3  
(Flat End Only)

YJ 08-05-08

1338563  
03492043  
08/05/2008

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

M-J 08/05/08

S.216 10/37  
#1 323.1 F  
#2  
#3 30  
#4

9.0

NAS1611013

O-RING



Comment: Qty.: 1.0000 Each(s)/Unit Total: 60.0000 Each(s)

Qty Part Number Description Batch

1 NAS1611-013 O-RING  
(or MS28775-013)

M106513

M-J

10.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: Hand Finishing

2-Assemble O'Ring as per Dwg D3492 Applying some O'Ring Lube  
A/R 55-O'Ring Lube Batch:

M 10122 3 N/M-J 08/05/08

11.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

5006000 (59)

12.0

PACKAGING 1


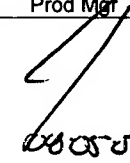

PACKAGING RESOURCE #1




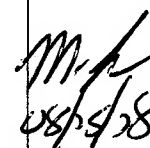
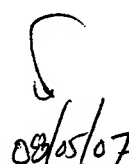
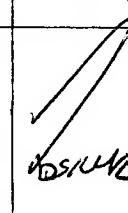
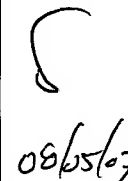
Comment: PACKAGING RESOURCE #1

FP-2 M-J 08/05/08

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
08-05-07	5.0	Add Note to physically count the Qty prior to Alodine, at the deburring stage. perm change <del>(MARRIED)</del>		08/05/07		 08-05-07	 08-05-07	

Part No: D3492-043 PAR #: N/A Fault Category: Prod / Finishing NCR: Yes No DQA: D Date: 08/05/12  
QA: N/C Closed: D Date: 08/05/12

NCR: 38563		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
08/05/07	# 6.0	one plug was lost Between step # 5.0 to #6.0	 Posner	Remind employees to count before starting a Job and after finishing	 08/05/07	 08/05/07	 08/05/07	 08/05/07
		Employee R.L. Horder didn't count before Alodine.		See Above				

NOTE: Date & initial all entries

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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 38563

Part Number: D3492043

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

QC21

FINAL INSPECTION/W/O RELEASE



08/05/12 *[Signature]*

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 08-05-09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



8

7

6

5

4

3

2

1

D3492-XX PLUG  
(SEE TABLE)NAS1611 PLUG  
(SEE TABLE)**D3492-XXX PLUG PARTS LIST**

QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -053	PART NUMBER	DESCRIPTION
X							D3492-041	PLUG ASSEMBLY
	X						D3492-043	PLUG ASSEMBLY
		X					D3492-045	PLUG ASSEMBLY
			X				D3492-047	PLUG ASSEMBLY
				X			D3492-049	PLUG ASSEMBLY
					X		D3492-051	PLUG ASSEMBLY
						X	D3492-053	PLUG ASSEMBLY
1							D3492-1	PLUG
	1						D3492-3	PLUG
		1					D3492-5	PLUG
			1				D3492-7	PLUG
				1			D3492-9	PLUG
					1		D3492-11	PLUG
						1	D3492-13	PLUG
		1					NAS1611-005	O-RING
			1				NAS1611-007	O-RING
1							NAS1611-010	O-RING
						1	NAS1611-012	O-RING
	1						NAS1611-013	O-RING
					1		NAS1611-015	O-RING
				1			NAS1611-016	O-RING

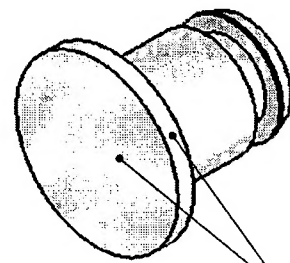
**NOTES:**

1) O-RING: POSSIBLE SUPPLIER P/N: NAS1611-XXX OR PARKER 2-XXX

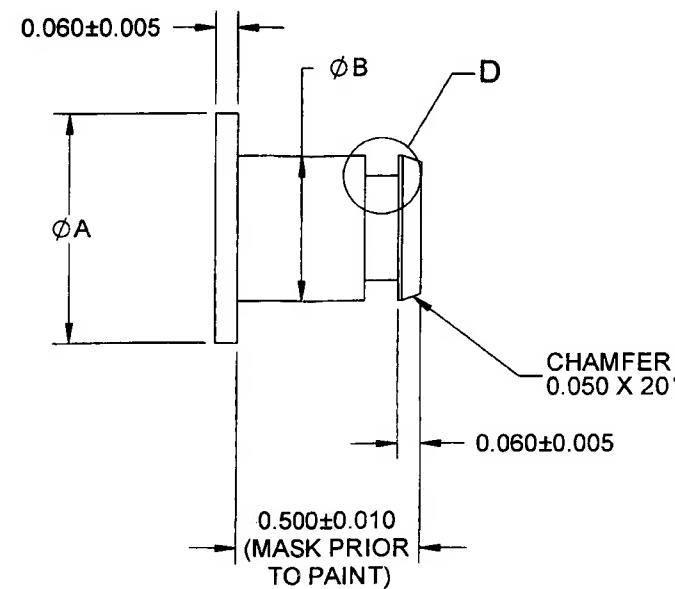
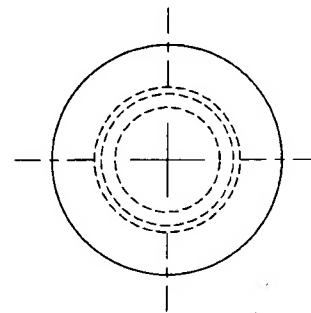
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RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 385103

RELEASED  
07.10.05

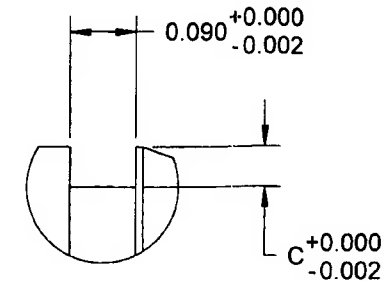
C	ADD -049/-051/-053, CHANGE DRAWING FORMAT	PH	07.10.05
B	ADD -047; UPDATE DIM A FOR -045	PH	06.05.11
A	NEW ISSUE	PH	06.01.04
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3492	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		PLUG	2:1
DATE	07.10.05	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



POWDER COAT THESE  
FACES ONLY PER NOTE 2



**D3492-XX PLUG**



**DETAIL D**

**D3492-XX PLUG MACHINING DETAILS**

P/N	A	B	C	MATERIAL SPEC
D3492-1	0.625	0.394	0.055	M6061T6R0.625
D3492-3	0.750	0.582	0.045	M6061T6R0.750
D3492-5	0.375	0.188	0.045	M6061T6R0.375
D3492-7	0.500	0.270	0.045	M6061T6R0.500
D3492-9	0.938	0.750	0.045	M6061T6R1.000
D3492-11	0.850	0.664	0.045	M6061T6R0.875
D3492-13	0.750	0.520	0.045	M6061T6R0.750

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WORK ORDER  
NO. 38563

**NOTES:**

- 1) MATERIAL: ALUMINUM 5052-H32 OR 6061-T6 OR 1100-0 PER QQ-A-225/7 (5052) OR QQ-A-225/8 (6061) OR QQ-A-200/8 (6061) OR QQ-A-225/1 (1100) (REF. DART MATERIAL SPEC M6061T6R0.000)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE GLOSS (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

**RELEASED**  
07.11.16

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MFG. APPR.		<b>D3492</b>	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		<b>PLUG</b>	4:1
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